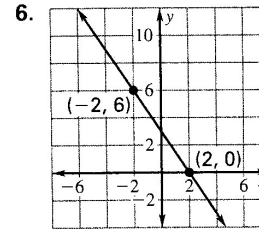
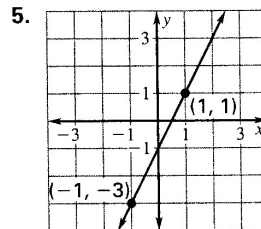
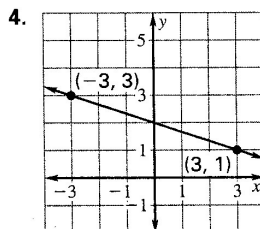
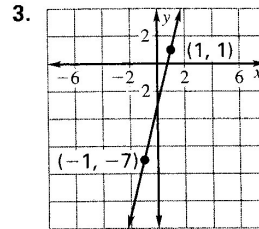
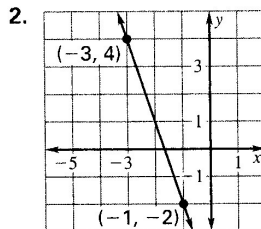
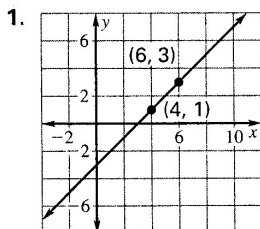


# Practice B

For use with pages 285–291

Write an equation in slope-intercept form of the line shown in the graph.



Write an equation in slope-intercept form of the line that passes through the points.

7.  $(0, 8), (-1, 3)$

8.  $(-7, 9), (-5, -3)$

9.  $(3, 2), (7, 5)$

10.  $(4, 2), (3, 5)$

11.  $(-5, -6), (2, 8)$

12.  $(-5, 6), (-6, 1)$

13.  $(\frac{1}{2}, -1), (3, \frac{3}{2})$

14.  $(6.22, -3.75), (-1.78, 0.25)$

15.  $(\frac{1}{8}, \frac{7}{8}), (\frac{3}{4}, -\frac{5}{4})$

Give the slope of a line perpendicular to the given line.

16.  $y = 3x + 5$

17.  $y = -\frac{2}{3}x - 4$

18.  $y = -2x + 6$

**Geometry Connection** In Exercises 19–21, use the graph.

19. Find the perpendicular sides of trapezoid WXYZ. How do you know mathematically that these two sides are perpendicular?

20. Write equations of the lines passing through the perpendicular sides.

21. Write equations of the lines passing through the two parallel sides. How do you know mathematically that these two sides are parallel?

22. **Driving** You drove to your cousin's house, which is 460 miles away. After two hours, you had gone 100 miles. After 8 hours, you reached your destination. Write an equation that gives the number of miles you had driven,  $y$ , in terms of the number of hours you had driven,  $t$ .

